Anti-Phosphoenolpyruvate carboxylase 1 antibody

Catalog: PHY0048S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PPC1 is one of four Arabidopsis phosphoenolpyruvate carboxylase proteins. It plays an important role in carbon and nitrogen metabolism. PPC1 and PPC2 are crucial for balancing carbon and nitrogen metabolism.
Synonyms:	PPC1/2
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from *Arabidopsis thaliana* PPC1 (AT1G53310) and PPC2 (AT2G42600).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150 µl of sterile water. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	110 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Glycine max*, *Vitis vinifera*, *Zea mays*, *Brassica napus*, *Brassica*

rapa, *Triticum aestivum*, *Hordeum vulgare subsp. vulgare*, *Oryza sativa*, *Gossypium raimondii*, *Panicum virgatum*, *Populus trichocarpa*, *Spinacia oleracea*, *Sorghum bicolor*, *Setaria viridis*, *Medicago truncatula*, *Nicotiana tabacum*, *Spinacia oleracea*, *Solanum tuberosum*, *Cucumis sativus*, *Solanum lycopersicum*.

The sequence of the synthetic peptide used for immunization is 93% (14/15) homologues with the sequence in PPC3 (AT3G14940).

For more species homologues information, please contact tech support at tech@phytoab.com.